

Title (en)

Ink-jet head and ink-jet printing apparatus

Title (de)

Tintenstrahlkopf und Tintenstrahldruckapparat

Title (fr)

Tête à jet d'encre et appareil d'impression à jet d'encre

Publication

EP 1260372 A3 20021218 (EN)

Application

EP 02015089 A 19980903

Priority

- EP 98116674 A 19980903
- JP 23977397 A 19970904
- JP 24689097 A 19970911

Abstract (en)

[origin: EP0900659A2] In order to enable high speed printing with maintaining reliability of ink ejection, an auxiliary hole (13) is provided in an upper wall (15) forming a liquid passage. An opening area of the auxiliary hole is set to be greater than or equal to three times of an opening area of an ejection opening (12), and a minimum distance (L4) between the auxiliary hole (13) and the ejection opening (12) is set to be greater than or equal to three times of a height (H1) of the liquid passage (14). <IMAGE>

IPC 1-7

B41J 2/14

IPC 8 full level

B41J 2/14 (2006.01); **B41J 2/15** (2006.01)

CPC (source: EP US)

B41J 2/1404 (2013.01 - EP US); **B41J 2/1433** (2013.01 - EP US); **B41J 2/15** (2013.01 - EP US); **B41J 2002/14169** (2013.01 - EP US); **B41J 2002/14387** (2013.01 - EP US)

Citation (search report)

- [A] EP 0465071 A
- [A] US 4550326 A 19851029 - ALLEN ROSS R [US], et al
- [A] US 5317346 A 19940531 - GARCIA ANDRE [US]

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